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NOTICE OF ALLOWANCE AND FEE(S) DUE

86942

7590

12/09/2009

Meyertons, Hood, Kivlin, Kowert, Goetzel/Symantec P.O. Box 398 Austin, TX 78767-0398 EXAMINER

BAYARD, DJENANE M

ART UNIT PAPER NUMBER

2444

DATE MAILED: 12/09/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/750,426	12/31/2003	Dilip Madhusudan Ranade	5760-18800	1784

TITLE OF INVENTION: ADAPTIVE CACHING FOR A DISTRIBUTED FILE SHARING SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	03/09/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notificate	correspondence including ed below or directed other tions.	g the Patent, advance of terwise in Block 1, by (a	rders and notification of a) specifying a new corre	maintenance fees vespondence address:	vill be and/o	mailed to the current r (b) indicating a sepa	correspondence address as arate "FEE ADDRESS" for	
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Meyertons, Ho P.O. Box 398 Austin, TX 7876		t, Goetzel/Symant	ec I h Sta ado trai	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the Ur States Postal Service with sufficient postage for first class mail in an enve addressed to the Mail Stop ISSUE FEE address above, or being facsi transmitted to the USPTO (571) 273-2885, on the date indicated below.				
							(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTC	RNEY DOCKET NO.	CONFIRMATION NO.	
10/750,426	12/31/2003	<u> </u>	Dilip Madhusudan Ranad	le		5760-18800	1784	
			D FILE SHARING SYST			L MOTAL FEE (2) PLE	DATE DATE	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU.	E FEE	TOTAL FEE(S) DUE		
nonprovisional	NO	\$1510	\$0	\$ 0		\$1510	03/09/2010	
EXAM	INER	ART UNIT	CLASS-SUBCLASS	J				
BAYARD, D	JENANE M	2444	709-217000					
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl	ND RESIDENCE DATA	'Indication form ed. Use of a Customer A TO BE PRINTED ON Tified below, no assignee	(1) the names of up to agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or ty data will appear on the part of the p	cle firm (having as a agent) and the name orneys or agents. If e printed. Type) Type are assign	membes of u	p to a e is 3	ocument has been filed for	
(A) NAME OF ASSIC		categories (will not be pr	(B) RESIDENCE: (CIT			,	oup entity 🚨 Government	
4a. The following fee(s) a			b. Payment of Fee(s): (Ple		-		shown above)	
`	No small entity discount p # of Copies	,	The Director is hereb	☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity Stat a. Applicant claims	tus (from status indicated s SMALL ENTITY statu	,	☐ b. Applicant is no loa	nger claiming SMAl	LL EN'	ΓΙΤΥ status. See 37 C	FR 1.27(g)(2).	
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Sta	iired) will not be accepte tes Patent and Trademark	d from anyone other than Office.	the applicant; a regi	stered	attorney or agent; or th	ne assignee or other party in	
Authorized Signature				Date				
Typed or printed name				_				
This collection of inform an application. Confident submitting the completechis form and/or suggesting V450. Alexandria. V	ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this bur irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th ONOT SEND FEES OR (on is required to obtain or 1.14. This collection is es depending upon the indice Chief Information Offic COMPLETED FORMS T	retain a benefit by t stimated to take 12 p vidual case. Any co ser, U.S. Patent and O THIS ADDRESS	he pub minute mmen Trader S. SEN	lic which is to file (and s to complete, including ts on the amount of the mark Office, U.S. Dep D TO: Commissioner	I by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,	

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10/750,426	12/31/2003	Dilip Madhusudan Ranade	5760-18800	1784	
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Meyertons, Hoo	d, Kivlin, Kowert, Go	BAYARD, DJENANE M			
P.O. Box 398			ART UNIT	PAPER NUMBER	
Austin, TX 78767	7-0398		2444		
			DATE MAILED: 12/09/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 899 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 899 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)					
	10/750,426	RANADE ET AL.					
Notice of Allowability	Examiner	Art Unit					
	DJENANE M. BAYARD	2444					
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to 10/27/09.	(OR REMAINS) CLOSED in the or other appropriate communing GHTS. This application is sub-	nis application. If not included cation will be mailed in due course. TH					
2. ☑ The allowed claim(s) is/are <u>31,36,37,42,43 and 48-57</u> .							
3. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).	been received. been received in Application	No	e				
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submit	ENT of this application.						
INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.							
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sun Paper No./M 7. ☐ Examiner's A	rmal Patent Application nmary (PTO-413), ail Date nendment/Comment atement of Reasons for Allowance					

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Art Unit: 2444

ALLOWANCE

1. The amendment filed on 10/27/09 has been placed of record in the file.

2. The rejection of clams 31, 36-37, 42-43, 48-57 under 35 U.S.C. 103 is withdrawn in view

of the amendment

3. Claims 31, 36-37, 42-43, 48-57 allowed.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The independent claims distinguish themselves over the prior art by storing respective history information for each respective data portion of the plurality of data portions of the replica, where the respective history information for each respective data portion of the replica indicates previous accesses to the respective data portion of the replica and when a write request is received specifying data to be written to a particular one of the data portions, the respective history information for that particular data portion is analyzed in order to determine whether the particular data portion was accessed more than the threshold number of times within the particular time period in combination with all the limitation in the independent claims.

Although prior art exist that allow for the history information of replica, these prior art do not support history information for each respective data portion of the plurality of data portions of the replica.

Art Unit: 2444

Furthermore, the prior art gives no indication that it would have been obvious to one with ordinary skill in the art at the time of the applicant's invention to update a replica cache in this fashion.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DJENANE M. BAYARD whose telephone number is (571)272-3878. The examiner can normally be reached on Monday- Friday 5:30 AM- 3:00 PM..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Jr Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/750,426

Art Unit: 2444

/Djenane M Bayard/ Examiner, Art Unit 2444 Page 4